09/ 960,477

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	DEC 21	IPC search and display fields enhanced in CA/CAplus with the IPC reform
NEWS 4	DEC 23	New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/ USPAT2
NEWS 5	JAN 13	IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 6	JAN 13	New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC
NEWS 7	JAN 17	Pre-1988 INPI data added to MARPAT
NEWS 8	JAN 17	IPC 8 in the WPI family of databases including WPIFV
NEWS 9	JAN 30	Saved answer limit increased
NEWS 10	JAN 31	Monthly current-awareness alert (SDI) frequency added to TULSA
NEWS 11	FEB 21	STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS 12	FEB 22	Status of current WO (PCT) information on STN
NEWS 13	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS 14	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS 15	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 16	FEB 28	MEDLINE/LMEDLINE reload improves functionality
NEWS 17	FEB 28	TOXCENTER reloaded with enhancements
NEWS 18	FEB 28	REGISTRY/ZREGISTRY enhanced with more experimental spectral property data
NEWS 19	MAR 01	INSPEC reloaded and enhanced
NEWS 20	MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 21	MAR 08	X.25 communication option no longer available after June 2006
NEWS 22	MAR 22	EMBASE is now updated on a daily basis

NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
http://download.cas.org/express/v8.0-Discover/

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* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 17:31:11 ON 23 MAR 2006

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 17:31:23 ON 23 MAR 2006
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 22 MAR 2006 HIGHEST RN 877759-05-2
DICTIONARY FILE UPDATES: 22 MAR 2006 HIGHEST RN 877759-05-2

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

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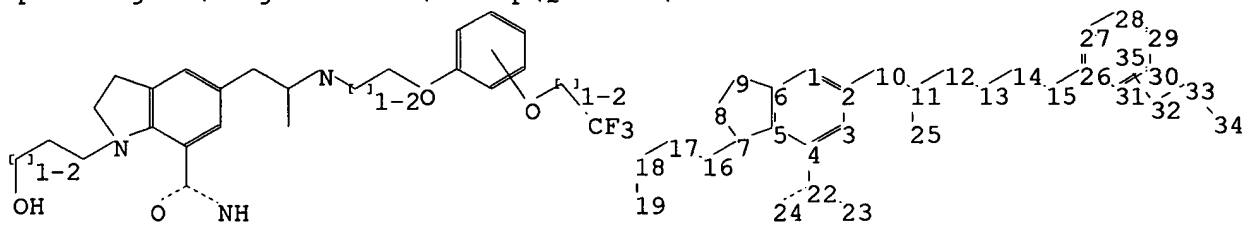
* *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
* *
****

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\09960477.str



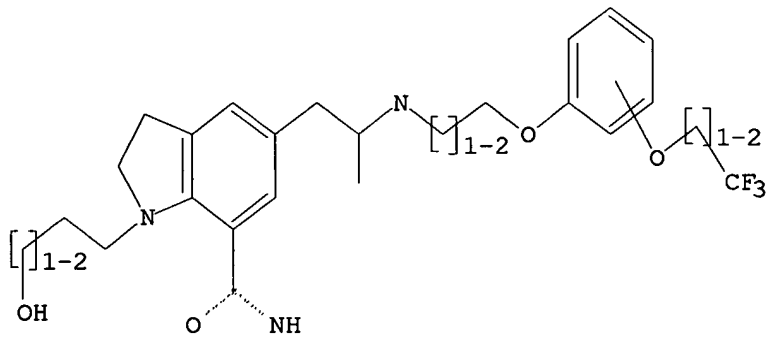
chain nodes :
10 11 12 13 14 15 16 17 18 19 22 23 24 25 32 33 34

ring nodes :
1 2 3 4 5 6 7 8 9 26 27 28 29 30 31
chain bonds :
2-10 4-22 7-16 10-11 11-12 11-25 12-13 13-14 14-15 15-26 16-17 17-18
18-19 22-23 22-24 32-33 33-34
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 26-27 26-31 27-28 28-29 29-30
30-31
exact/norm bonds :
5-7 7-8 7-16 11-12 12-13 14-15 15-26 18-19 22-23 22-24 32-33
exact bonds :
2-10 4-22 6-9 8-9 10-11 11-25 13-14 16-17 17-18 33-34
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 26-27 26-31 27-28 28-29 29-30 30-31
isolated ring systems :
containing 1 : 26 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:Atom 27:Atom 28:Atom
29:Atom 30:Atom 31:Atom 32:CLASS 33:CLASS 34:CLASS 35:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sample
SAMPLE SEARCH INITIATED 17:32:03 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 5 TO 234
PROJECTED ANSWERS: 0 TO 0

```
L2            0 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 17:32:13 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       66 TO ITERATE

100.0% PROCESSED       66 ITERATIONS                              15 ANSWERS
SEARCH TIME: 00.00.01

L3            15 SEA SSS FUL L1

=> file hcaplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   167.38     167.59

FILE 'HCAPLUS' ENTERED AT 17:32:21 ON 23 MAR 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 23 Mar 2006  VOL 144 ISS 13
FILE LAST UPDATED: 22 Mar 2006  (20060322/ED)

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 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> s l3
L4            62 L3

=> s L4 or (α or prazosin or tamsulosin)
       1598156 A
                 (ALPHA)
          8732 PRAZOSIN
           540 TAMSULOSIN
L5     1599799 L4 OR (A OR PRAZOSIN OR TAMSULOSIN)

=> s L5 and (acetylcholinesterase?)
         22061 ACETYLCHOLINESTERASE?
L6        1428 L5 AND (ACETYLCHOLINESTERASE?)

=> s l6 and (urinary or bladder or dysuria)
        123140 URINARY
         32978 BLADDER
           234 DYSURIA
L7          26 L6 AND (URINARY OR BLADDER OR DYSURIA)
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L7 ANSWER 1 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2006:149815 HCAPLUS
DOCUMENT NUMBER: 144:219388
TITLE: Methods of treating a subject for inflammation, blood clotting and autonomic nervous system dysfunction
INVENTOR(S): Yun, Anthony Joonkyoo; Lee, Patrick Yuarn-Bor
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 24 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006034847	A1	20060216	US 2004-917270	20040811
PRIORITY APPLN. INFO.:			US 2004-917270	20040811

AB Methods are provided for treating a subject for at least one condition that includes inflammation, a blood clotting condition and autonomic nervous system dysfunction such as adrenergia, e.g., simultaneously. Also provided are kits for use in practicing the subject methods (no data).

L7 ANSWER 2 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1310905 HCAPLUS
DOCUMENT NUMBER: 144:45513
TITLE: Composition comprising Xanthoceras sorbifolia extracts, compounds isolated from same, methods for preparing same, and uses thereof
INVENTOR(S): Chan, Pui-Kwong; Mak, May Sung; Wang, Yun
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 194 pp., Cont.-in-part of U.S. Ser. No. 906,303.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 7
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005276872	A1	20051215	US 2005-117760	20050427
US 2003091669	A1	20030515	US 2001-944805	20010831
US 6616943	B2	20030909		
WO 2003017919	A2	20030306	WO 2002-IB4750	20020828
WO 2003017919	A3	20040722		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004146591	A1	20040729	US 2003-471384	20030904
WO 2005037200	A2	20050428	WO 2004-US33359	20041008
WO 2005037200	A3	20050616		
WO 2005037200	C1	20050901		
WO 2005037200	B1	20051006		
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WO 2005063273	A1	20050714	WO 2004-US43465	20041223
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,				

L7 ANSWER 2 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2005220910	A1	20051006	US 2005-906303	20050214
PRIORITY APPLN. INFO.:			US 2001-944805	A2 20010831
			WO 2002-IB4750	W 20020828
			US 2003-471384	A2 20030904
			US 2003-509851P	P 20031009
			US 2003-532101P	P 20031223
			US 2004-607858P	P 20040907
			US 2004-613811P	P 20040927
			US 2004-617379P	P 20041008
			WO 2004-US33359	A2 20041008
			WO 2004-US43465	A2 20041223
			US 2005-906303	A2 20050214

OTHER SOURCE(S): MARPAT 144:45513
AB This invention provides compns., methods and process of producing exts. and pure compds. from Xanthoceras sorbifolia. The extract comprises saponins and other constituents including alkaloids, coumarins, saccharides, proteins, polysaccharides, glycosides, tannins, acid, flavonoids and others. The composition can be used for treating cancer and other conditions, such as arthritis, rheumatism, poor circulation, arteriosclerosis, Raynaud's syndrome, angina pectoris, cardiac disorder, coronary heart disease, headache, kidney disorder, and impotence; for improving cerebral functions; or for curing enuresis, frequent micturition, urinary incontinence, dementia, weak intelligence and Alzheimer's disease, autism, brain trauma, Parkinson's, cerebral dysfunctions, and treating arthritis, rheumatism, poor circulation, arteriosclerosis, Raynaud's syndrome, angina pectoris, cardiac disorder, headache, dizziness, kidney disorder. This invention provides compds. of oleanene triterpenoidal saponin in nature with the characteristics that at least one angeloyl group attache to Carbon 21 or/and 22, or/and linked to the sugar. The compds. of the present invention have various pharmaceutical and therapeutic applications.

L7 ANSWER 3 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1224387 HCAPLUS
DOCUMENT NUMBER: 143:452901
TITLE: Treatment of conditions through modulation of the autonomic nervous system during at least one predetermined menstrual cycle phase
INVENTOR(S): Yun, Anthony Joonkyoo; Lee, Patrick Yuarn-Bor
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 35 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005256028	A1	20051117	US 2004-846486	20040513
PRIORITY APPLN. INFO.:			US 2004-846486	20040513

AB Methods are provided for treating a subject for a condition. In accordance with the subject methods, at least a portion of a subject's autonomic nervous system is modulated during at least one predetd. phase of the subject's menstrual cycle to alter the parasympathetic activity/sympathetic activity ratio in a manner that is effective to treat the subject for the condition. The subject methods find use in the treatment of a variety of different conditions, including various disease conditions, that increase in severity and/or occurrence during one or more phases of the menstrual cycle. Also provided are systems and kits for use in practicing the subject methods.

L7 ANSWER 4 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:481228 HCAPLUS
DOCUMENT NUMBER: 143:166409
TITLE: Effects of TAK-802, a novel **acetylcholinesterase** inhibitor, and **tamsulosin**, an α 1-adrenoceptor antagonist, and their synergistic effects on the urodynamic characteristics in a guinea-pig model of functional **bladder** outlet obstruction
AUTHOR(S): Nagabukuro, Hiroshi; Hashimoto, Tadatoshi; Iwata, Masashi; Doi, Takayuki
CORPORATE SOURCE: Pharmaceutical Research Laboratories I, Pharmaceutical Research Division, Takeda Pharmaceutical Company Limited, Osaka, Japan
SOURCE: BJU International (2005), 95(7), 1071-1076
CODEN: BJINFO; ISSN: 1464-4096
PUBLISHER: Blackwell Publishing Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB OBJECTIVE: To investigate the effects of TAK-802, a potent **acetylcholinesterase** inhibitor, and **tamsulosin**, an . **alpha**.1-adrenoceptor antagonist, and their concomitant administration on the urodynamic characteristics in a guinea-pig model of functional **bladder** outlet obstruction. MATERIALS AND METHODS: Cystometry was performed in urethane-anesthetized guinea pigs, and various urodynamic variables, including the maximum flow rate (Qmax), voiding efficiency, maximum intravesical pressure (Pvesmax) and intravesical pressure at Qmax (PvesQmax), were measured before and after administration of the drugs in combination and alone. RESULTS: Continuous i.v. infusion of phenylephrine, an α 1-adrenoceptor agonist (1-6 μg/animal/min), dose-dependently decreased the Qmax and voiding efficiency, and increased the Pvesmax and PvesQmax, possibly by constricting urethral smooth muscle. In this functional urethral constriction model, both TAK-802 at 1 and 10 μg/kg and **tamsulosin** at 3 and 10 μg/kg (i.v.) caused increasing effects on the Qmax and voiding efficiency. The effects were more apparent with combined exposure. Although the Pvesmax was dose-dependently increased by TAK-802 alone, the effects were completely abolished by concomitant treatment with **tamsulosin**. CONCLUSION: These results suggest that TAK-802 and **tamsulosin** have synergistic effects in increasing the Qmax and voiding efficiency, and TAK-802 does not inhibit the decreasing effect of **tamsulosin** on urethral resistance. That TAK-802 increased Pves when administered alone implies that monotherapy using an **acetylcholinesterase** inhibitor should be withheld in patients with voiding dysfunction caused by obvious **bladder** outlet obstruction with benign prostatic hyperplasia, to avoid disorders of the upper **urinary** tracts, and it should be used with an α 1-adrenoceptor antagonist. Whether TAK-802 combined with an α 1-adrenoceptor antagonist confers addnl. clin. benefit is not yet known.
REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:369224 HCAPLUS
DOCUMENT NUMBER: 142:423889
TITLE: Composition comprising Xanthoceras sorbifolia extracts, isolated compounds, preparation methods, and therapeutic use
INVENTOR(S): Chan, Pui-Kwong; Mak, May Sung; Wang, Yun
PATENT ASSIGNEE(S): Pacific Arrow Limited, Peop. Rep. China
SOURCE: PCT Int. Appl., 237 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 7
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005037200	A2	20050428	WO 2004-US33359	20041008
WO 2005037200	A3	20050616		
WO 2005037200	C1	20050901		
WO 2005037200	B1	20051006		
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WO 2005063273	A1	20050714	WO 2004-US43465	20041223
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US 2005220910	A1	20051006	US 2005-906303	20050214
US 2005245470	A1	20051103	US 2005-117745	20050427
US 2005276872	A1	20051215	US 2005-117760	20050427
US 2005277601	A1	20051215	US 2005-131551	20050517

PRIORITY APPLN. INFO.:

US 2003-509851P	P	20031009
US 2003-532101P	P	20031223
US 2001-944805	A2	20010831
WO 2002-IB4750	W	20020828
US 2003-471384	A2	20030904
US 2004-607858P	P	20040907
US 2004-613811P	P	20040927
US 2004-617379P	P	20041008
WO 2004-US33359	A	20041008

L7 ANSWER 5 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

WO 2004-US43465	A2	20041223
US 2005-906303	A2	20050214
US 2005-117745	A2	20050427

OTHER SOURCE(S): MARPAT 142:423889
AB The invention provides compns., methods and process of producing exts. from Xanthoceras sorbifolia. The extract comprises alkaloids, coumarins, saccharides, proteins, polysaccharides, glycosides, saponins, tannins, acid, flavonoids and others. The composition can be used for anticancer, preventing cerebral aging, improving memory, improving cerebral functions and curing enuresis, frequent micturition, **urinary** incontinence, dementia, weak intelligence and Alzheimer's disease, autism, brain trauma, Parkinson's disease and other diseases caused by cerebral dysfunction, and treating arthritis, rheumatism, poor circulation, arteriosclerosis, Raynaud's syndrome, angina pectoris, cardiac disorder, coronary heart disease, headache, dizziness, kidney disorder and treating impotence and premature ejaculation. The invention provides compds. comprise a sugar, terepene, e.g. sapogenin, and a side chains at carbon 21 and 22, e.g. angeloyl groups. The compds. of the invention have various pharmaceutical and therapeutic applications.

L7 ANSWER 6 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:141088 HCAPLUS
DOCUMENT NUMBER: 142:217397
TITLE: Bispecific antibodies for inducing apoptosis of tumor and diseased cells
INVENTOR(S): Chang, Chien-Hsing; Goldenberg, David M.; Hansen, Hans J.; Horak, Eva; Horak, Ivan
PATENT ASSIGNEE(S): Immunomedics, Inc., USA
SOURCE: PCT Int. Appl., 60 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005014618	A2	20050217	WO 2004-US25840	20040809
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2005079184	A1	20050414	US 2004-913509	20040809

PRIORITY APPLN. INFO.:

US 2003-493365P	P	20030808

AB The authors disclose bispecific antibodies in the form of heteroconjugates that inhibit growth and induce apoptosis of a diseased cell and that do not require the recruitment of effector cells. The heteroconjugate has at least two binding arms wherein each of the binding arms possesses a different specificity and need not have apoptotic activity when not conjugated to each other. In one example, the heteroconjugate is composed of an Fab' fragment targeting CD20 joined to a second Fab' fragment targeting CD22. Also provided are methods of treating and diagnosing a diseased cell using the bispecific antibodies of the present invention.

L7 ANSWER 7 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:121193 HCAPLUS
DOCUMENT NUMBER: 142:214836
TITLE: Biomarkers of cyclin-dependent kinase modulation in cancer therapy
INVENTOR(S): Li, Martha; Rupnow, Brent A.; Webster, Kevin R.; Jackson, Donald G.; Wong, Tai W.
PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA
SOURCE: PCT Int. Appl., 141 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005012875	A2	20050210	WO 2004-US24424	20040729
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: US 2003-490890P P 20030729
AB Biomarkers having expression patterns that correlate with a response of cells to treatment with one or more cdk modulating agents, and uses thereof. Transcription profiling was used to identify the biomarkers. Specifically, transcription profiling of the effect of a certain cdk2 inhibitor (BMS 387032 0.5 L-tartaric acid salt) on peripheral blood mononuclear cells was first performed. Gene chips were used to quantitate the levels of gene expression on a large-scale with Affymetrix human gene chips HG-U95A, B, and C. Next, profiling of a cdk2 inhibitor-treated tumor cell line A28780 at multiple doses and time points was performed to establish a correlation of tumor site response with peripheral blood biomarkers. In order to establish the mol. target-specificity of the potential biomarkers, tumor cell line A2780 treated with anti-cdk2 oligonucleotides was also profiled. Overlapping gene expression changes were selected for further evaluation in human ovarian carcinoma xenograft A2780 that were treated with the cdk2 inhibitor. The selected biomarkers were subjected to real-time PCR anal. in order to verify the observed changes from the gene chip anal. The biomarker comprising GenBank accession number W28729 was discovered to have the most consistent and robust regulation in response to cdk inhibition. Provided are methods for testing or predicting whether a mammal will respond therapeutically to a method of treating cancer that comprises administering an agent that modulates cdk activity.

L7 ANSWER 8 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:761379 HCAPLUS
DOCUMENT NUMBER: 142:233007
TITLE: Effects of **tamsulosin**, an A1-adrenergic antagonist, and TAK-802, a novel **acetylcholinesterase** inhibitor, and their synergistic effects on the urodynamic characteristics in a guinea pig model of functional **bladder** outlet obstruction
AUTHOR(S): Nagabukuro, H.; Hashimoto, T.; Iwata, M.; Ishihara, Y.; Doi, T.
CORPORATE SOURCE: Takeda Chemical Industries, Japan
SOURCE: Neurourology and Urodynamics (2004), 23(5/6), 458-460
CODEN: NEUREM; ISSN: 0733-2467
PUBLISHER: Wiley-Liss, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A guinea pig model with functional **bladder** outlet obstruction was established to model the dynamic component of benign prostatic hyperplasia. The effects of **tamsulosin**, an **.alpha** .1-adrenergic antagonist, TAK-802, a novel **acetylcholinesterase** inhibitor with some selectivity for muscarinic actions, and of both administered concomitantly on the urodynamic characteristics in this model were evaluated. **Tamsulosin** (0.003 and 0.01 mg/kg, i.v.) and TAK-802 (0.001 and 0.01 mg/kg, i.v.) increased the maximum flow rate (Qmax) and voiding efficiency in a dose-dependent manner. The effects were most pronounced in the group that received concomitant administration of both the drugs. When administered alone, **tamsulosin** decreased, and TAK-802 increased, the maximum intravesical pressure and intravesical pressure at Qmax. The effect of TAK-802 of increasing the intravesical pressure was completely abolished by concomitant administration of **tamsulosin**. Neither of the drugs affected the **bladder** capacity.

L7 ANSWER 9 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:565091 HCAPLUS
DOCUMENT NUMBER: 141:99726
TITLE: Therapeutic formulations for the treatment of beta-amyloid related diseases containing two active ingredients
INVENTOR(S): Gervais, Francine; Bellini, Francesco
PATENT ASSIGNEE(S): Neurochem International Limited, Switz.
SOURCE: PCT Int. Appl., 179 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 9
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004058258	A1	20040715	WO 2003-CA2011	20031224
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2511606	AA	20040715	CA 2003-2511606	20031224
AU 2003291910	A1	20040722	AU 2003-291910	20031224
EP 1585520	A1	20051019	EP 2003-767368	20031224
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003017747	A	20051122	BR 2003-17747	20031224
US 2005031651	A1	20050210	US 2004-871537	20040618
NO 2005003077	A	20050922	NO 2005-3077	20050623

PRIORITY APPLN. INFO.:
US 2002-436379P P 20021224
US 2003-482214P P 20030623
US 2003-480906P P 20030623
US 2003-480918P P 20030623
US 2003-480984P P 20030623
US 2003-482058P P 20030623
US 2003-512017P P 20031017
US 2003-512047P P 20031017
US 2003-512116P P 20031017
US 2003-512135P P 20031017
US 2003-746138 A2 20031224
WO 2003-CA2011 W 20031224

OTHER SOURCE(S): MARPAT 141:99726
AB This invention relates to methods and pharmaceutical compns. for treating amyloid-β related diseases, including Alzheimer's disease. The invention, for example, includes a method of concomitant therapeutic treatment of a subject, comprising administering an effective amount of a first agent and a second agent, wherein said first agent treats an amyloid-β disease, neurodegeneration, or cellular toxicity; and said second agent is a therapeutic drug or nutritive supplement. Pharmaceutical compns. containing compds. of the invention and a kit containing pharmaceutical formulations of the invention are also claimed.

L7 ANSWER 10 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:355085 HCAPLUS
DOCUMENT NUMBER: 140:369944
TITLE: Human tissue-specific housekeeping genes identified by expression profiling
INVENTOR(S): Aburatani, Hiroyuki; Yamamoto, Shogo
PATENT ASSIGNEE(S): NGK Insulators, Ltd., Japan
SOURCE: PCT Int. Appl., 372 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004035785	A1	20040429	WO 2002-JP10753	20021016
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002344094	A1	20040504	AU 2002-344094	20021016
US 2004229233	A1	20041118	US 2003-684422	20031015

PRIORITY APPLN. INFO.:
US 2002-418614P P 20021016
WO 2002-JP10753 A 20021016

AB Housekeeping genes commonly expressed in 35 different human tissues, oligonucleotide probes and DNA microarrays containing them, are disclosed.
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

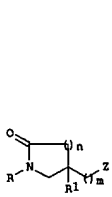
L7 ANSWER 11 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:491214 HCAPLUS
DOCUMENT NUMBER: 139:69156
TITLE: Preparation of substituted lactams as tachykinin antagonists
INVENTOR(S): Middleton, Donald Stuart; Stobie, Alan
PATENT ASSIGNEE(S): Pfizer Limited, UK; Pfizer Inc.
SOURCE: PCT Int. Appl., 207 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003051868	A1	20030626	WO 2002-IB5234	20021206
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2470236	AA	20030626	CA 2002-2470236	20021206
AU 2002366320	A1	20030630	AU 2002-366320	20021206
BR 2002015017	A	20040831	BR 2002-15017	20021206
EP 1456200	A1	20040915	EP 2002-804985	20021206
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
JP 2005514389	T2	20050519	JP 2003-552752	20021206
US 2004132710	A1	20040708	US 2002-322068	20021217

PRIORITY APPLN. INFO.:

GB 2001-30261	A	20011218
US 2002-350811P	P	20020122
WO 2002-IB5234	W	20021206

OTHER SOURCE(S): MARPAT 139:69156
GI



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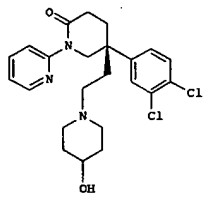

II

L7 ANSWER 11 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB Title compds. I [R = 5-7 membered aromatic heterocycle; n = 0-4; m = 1-4; Z = amino] are prepared For instance, (5S)-5-(3,4-Dichlorophenyl)-5-(2,2-dimethoxyethyl)-1-(2-pyridinyl)-2-piperidinone (preparation given) is deprotected (HCl) and condensed with 4-hydroxypiperidine (CH2Cl2, NaHB(OAc)3) to give II. All example compds. have Ki < 1000 nM for the NK2 receptor. I are useful in treating or preventing a condition for which an NK2 antagonist is efficacious.
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 12 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:907186 HCAPLUS
DOCUMENT NUMBER: 138:350
TITLE: Agents and crystals for improving excretory potency of **urinary bladder**
INVENTOR(S): Ishihara, Yuji; Doi, Takayuki; Nagabukuro, Hiroshi; Ishichi, Yuji
PATENT ASSIGNEE(S): Japan
SOURCE: U.S. Pat. Appl. Publ., 65 pp., Cont.-in-part of U. S. Ser. No. 787,288.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002177593	A1	20021128	US 2001-960477	20010924
JP 2003192593	A2	20030709	JP 2002-354856	19990929
JP 2003201237	A2	20030718	JP 2002-354833	19990929
JP 3512786	B2	20040331		
WO 2000018391	A1	20000406	WO 1999-JP5367	19990930
W: AE, AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CR, CU, CZ, DM, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, US, UZ, VN, YU, ZA				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1604653	A1	20051214	EP 2005-20329	19990930
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
JP 2001335576	A2	20011204	JP 2001-85190	20010323

PRIORITY APPLN. INFO.:

JP 1998-276677	A	19980930
WO 1999-JP5367	W	19990930
US 2001-787288	A2	20010315
JP 2001-85190	A	20010323
JP 1999-275614	A3	19990929
EP 1999-969675	A3	19990930
JP 2000-88523	A	20000324

OTHER SOURCE(S): MARPAT 138:350
AB Agents for improving potency of the **urinary bladder** which comprises an amine compound of non-carbamate-type having an **acetylcholinesterase**-inhibiting action. Particularly, crystals of a tricyclic, condensed, heterocyclic derivative are provided, which possess an excellent action to inhibit **acetylcholinesterase** and an action to improve the excretory potency of **urinary bladder**. As an example, crystals of 8-[3-[1-[(3-fluorophenyl)-methyl]-4-piperidinyl]-1-oxopropyl]-1,2,5,6-tetrahydro-4H-pyrrolo[3,2,1-ij]quinolin-4-one or a salt thereof and pharmaceutical compns. containing them are disclosed.

L7 ANSWER 13 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:873241 HCAPLUS
DOCUMENT NUMBER: 136:15242
TITLE: Crystals of condensed heterotricycle as **acetylcholinesterase** inhibitor and pharmaceutical compositions containing the crystals
INVENTOR(S): Ishihara, Yuji; Doi, Takayuki; Ishiji, Yuji
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 50 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001335576	A2	20011204	JP 2001-85190	20010323
US 2002177593	A1	20021128	US 2001-960477	20010924

PRIORITY APPLN. INFO.:

JP 2000-88523	A	20000324
JP 1998-276677	A	19980930
WO 1999-JP5367	W	19990930
US 2001-787288	A2	20010315
JP 2001-85190	A	20010323

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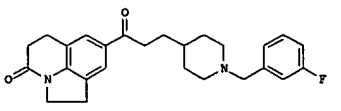


I

AB Crystals of 8-[3-[1-[(3-fluorophenyl)methyl]-4-piperidinyl]-1-oxopropyl]-1,2,5,6-tetrahydro-4H-pyrrolo[3,2,1-ij]quinolin-4-one (I) or its salts, preferably having m.p. 113-118°, and pharmaceutical compns. containing the crystals are claimed. The compns. are useful for treatment of **dysuria** by increasing force of **bladder** emptying. The crystals may be used in combination with α -blockers. Thus, crude crystal of I (preparation given) was dissolved in AcOEt/MeOH/CHCl3 and the solution was subjected to silica gel chromatog. After repeating the process, the crystal was dissolved in EtOH and the solution was heated to remove EtOH and cooled under stirring for 6 h to give I having m.p. 114-117°.

L7 ANSWER 14 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:227400 HCAPLUS
DOCUMENT NUMBER: 134:261317
TITLE: The autonomic and sensory innervation of the smooth muscle of the prostate gland: a review of pharmacological and histological studies
AUTHOR(S): Pennefather, J. N.; Lau, W. A. K.; Mitchelson, F.; Ventura, S.
CORPORATE SOURCE: Department of Pharmacology, Monash University, Vic, 3800, Australia
SOURCE: Journal of Autonomic Pharmacology (2000), 20(4), 193-206
CODEN: JAPHDU; ISSN: 0144-1795
PUBLISHER: Blackwell Science Ltd.
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
AB A review, with .apprx.165 refs., demonstrating (a) the presence and (b) the actions of substances that mediate or modify neuroeffector transmission to the smooth muscle of the prostrate stroma of a number of species including man. In all species studied prostatic stroma, but not secretory acini, receives rich noradrenergic innervation. Stimulation of these nerves causes contractions of prostate smooth muscle that are inhibited by guanethidine and by α 1-adrenoceptor antagonists that probably act at the α 1L-adrenoceptor. Such actions underlie the clin. use of α 1-adrenoceptor antagonists in benign prostatic hyperplasia (BPH). **Acetylcholinesterase**-pos. nerves innervate prostatic stroma as well as epithelium. Atropine reduces nerve-mediated contractions of stromal muscle in the rat, guinea pig, and rabbit. M1, M2 and M3 muscarinic receptors have been implicated in eliciting or facilitating contraction in the prostate from guinea pig, dog, and rat, resp. Adenine nucleotides and nucleosides, nitric oxide (NO), opioids, neuropeptide Y (NPY) and vasoactive intestinal peptide (VIP) may act as co-transmitters or modulators in autonomic effector nerves supplying prostate stroma. Adenosine inhibits neurotransmission to the rat prostate, and NO is inhibitory in prostate from human, rat, rabbit, pig and dog. The activity of peptides present in the relatively sparse sensory innervation of the prostate exhibits species variation, but, when effective, calcitonin gene-related peptide is inhibitory while tachykinins are stimulant. The roles of NPY and VIP in modulating stromal contractility remain unclear. Taken together the current literature indicates that, in addition to noradrenaline, other neurotransmitters and neuromodulators may regulate the tone of prostatic smooth muscle. Whether drugs that mimic or modify their actions might be useful in providing symptomatic relief of the **urinary** symptoms associated with BPH remains to be established.
REFERENCE COUNT: 160 THERE ARE 160 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 15 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:90053 HCAPLUS
DOCUMENT NUMBER: 130:305949
TITLE: Pharmacokinetic Analysis of 6-Monoamino-β-cyclodextrin after Intravenous or Oral Administration to Rats Using a Specific Enzyme Immunoassay
AUTHOR(S): Creminon, Christophe; Djedaieni-Pilard, Florence; Vienet, Raymond; Pean, Christophe; Grognet, Jean-Marc; Grassi, Jacques; Perly, Bruno; Pradelles, Philippe
CORPORATE SOURCE: CEA DRM Service de Pharmacologie et d'Immunologie, CEA-Saclay, Gif s/Yvette, F-91191, Fr.
SOURCE: Journal of Pharmaceutical Sciences (1999), 88(3), 302-305
CODEN: JPMSAE; ISSN: 0022-3549
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB We have developed a highly sensitive enzyme immunoassay for 6-monoamino-β-CD (mono(6-amino-6-deoxy)cyclomaltoheptaose) and its parent compound (β-CD) with a detection limit in the 100 pg/mL range. The polyclonal antibodies obtained are highly specific for the β-cyclodextrin core and do not recognize other cyclic cyclodextrins (i.e., α - and γ-CD) or linear analogs. This enzyme immunoassay can be used to quantify 6-monoamino-β-CD in rat urine and plasma. Using this immunoassay, we have evaluated the main pharmacokinetic parameters of 6-monoamino-β-CD after i.v. administration to the rat of a 25 mg/kg dose. Since this method is strictly specific to the native β-CD form, we have demonstrated that the mol. rapidly disappeared from plasma but is probably distributed in the tissues. The **urinary** route appears as the predominant way of elimination since almost all the administered drug is recovered in urine. Finally, anal. of the same mol. after oral administration to the rat (25 mg/kg) demonstrates low plasma levels and that about 1% of the administered dose is excreted in urine. These expts. demonstrate the high stability of the β-CD core irresp. of the method of administration. This immunol. method could provide relevant information on the fate of β-CD and some derivs. for drug delivery using different modes of administration (oral, parenteral, transmucosal, or dermal).
REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 16 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1997:617007 HCAPLUS
DOCUMENT NUMBER: 127:288186
TITLE: Methods of treating neurological diseases and etiologically related symptomology using carbonyl trapping agents in combination with previously known medicaments
INVENTOR(S): Shapiro, Howard K.
PATENT ASSIGNEE(S): USA
SOURCE: U.S., 37 pp., Cont.-in-part of U.S. Ser. No. 26,617, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

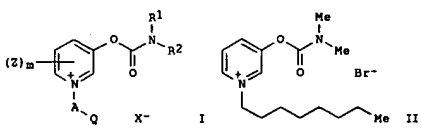
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5668117	A	19970916	US 1993-62201	19930629
CA 2166383	AA	19950112	CA 1994-2166383	19940628
WO 9501096	A1	19950112	WO 1994-US7277	19940628
W: AU, CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9472144	A1	19950124	AU 1994-72144	19940628
AU 692454	B2	19980611		
EP 707446	A1	19960424	EP 1994-921405	19940628
R: DE, FR, GB, IT				
JP 08512055	T2	19961217	JP 1994-503597	19940628
US 6746678	B1	20040608	US 2000-545870	20000406
PRIORITY APPLN. INFO.:			US 1991-660561	B1 19910222
			US 1993-26617	B2 19930223
			US 1993-62201	A 19930629
			WO 1994-US7277	W 19940628
			US 1997-883290	B2 19970626

OTHER SOURCE(S): MARPAT 127:288186
AB Therapeutic compns. comprising an effective amount of at least one carbonyl trapping agent alone or in combination with a therapeutically effective of a co-agent or medicament are disclosed. The compns. are used to treat a mammal suffering from a neurol. disease characterized by covalent bond crosslinking between the nerve cells, other cellular structures and their intracellular and extracellular components, with disease-induced carbonyl-containing aliphatic or aromatic hydrocarbons present in mammals.

L7 ANSWER 17 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1997:286379 HCAPLUS
DOCUMENT NUMBER: 126:264012
TITLE: Pyridinium derivatives and pharmaceutical compositions containing them
INVENTOR(S): Rachaman, Eliezer; Heldman, Eliahu; Adani, Rachel; Amitai, Gabriel
PATENT ASSIGNEE(S): State of Israel, Israel; Rachaman, Eliezer; Heldman, Eliahu; Adani, Rachel; Amitai, Gabriel
SOURCE: PCT Int. Appl., 37 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9708146	A1	19970306	WO 1996-IL89	19960829
W: AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KP, KR, LR, LT, LU, LV, MK, MX, NO, NZ, PL, PT, RO, RU, SE, SG, SI, SK, TR, UA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
IL 115113	A1	20021110	IL 1995-115113	19950831
CA 2230578	AA	19970306	CA 1996-2230578	19960829
AU 9668359	A1	19970319	AU 1996-68359	19960829
EP 851859	A1	19980708	EP 1996-928661	19960829
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, IE, FI				
JP 11511456	T2	19991005	JP 1996-510076	19960829
PRIORITY APPLN. INFO.:			IL 1995-115113	A 19950831
			WO 1996-IL89	W 19960829

OTHER SOURCE(S): MARPAT 126:264012
GI



AB A series of carbamates based on the structure of pyridostigimine (PYR) were synthesized and evaluated as potential drugs for the treatment of cognitive impairments associated with cholinergic perturbances such as in Alzheimer's disease. The compds. are represented by structure I [R1 = H, alkyl, alkenyl, aryl, aralkyl, cycloalkyl, cycloalkylalkyl; R2 = alkyl, alkenyl, aryl aralkyl, cycloalkyl, cycloalkylalkyl; A = alk(en/yn)ylene; Z = dialkylcarbamoyl or alkyl; m = 0, 1; Q = transporter recognition moiety for biol. membranes, optionally coupled to a physiol. active acceptable moiety; X- = anion]. Compds. I were examined for their cholinesterase inhibition, pharmacokinetics, acute toxicity, lipophilicity, reversal of scopolamine-induced memory impairment in rats (passive avoidance), and analgesia in mice. The compds. include N-alkyl-PYR derivs. and various sugar-N-alkyl-PYR conjugates, such as II. Some of the new compds. are less toxic than PYR in rats (LD50 = 5.15 mg/kg s.c.), e.g., II (LD50 = 234.8 mg/kg s.c.). Many I may serve for the treatment of other

L7 ANSWER 17 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CNS-related diseases such as stroke, and PNS-related diseases such as myasthenia gravis, glaucoma, neurogenic **urinary bladder**, and neuralgic pain, and as a pretreatment of organophosphorus intoxication.

L7 ANSWER 18 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

EP 1523982	A3	20050427			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT					
PT 725635	T	20050531	PT 1994-930694		19941012
ES 2233931	T3	20050616	ES 1994-930694		19941012
US 5843994	A	19981201	US 1995-478264		19950607
US 5883124	A	19990316	US 1995-484615		19950607
US 5852056	A	19981222	US 1996-633833		19960410
JP 2005139208	A2	20050602	JP 2005-54743		20050228
JP 2005139209	A2	20050602	JP 2005-54744		20050228
PRIORITY APPLN. INFO.:			US 1991-779744	A2	19911021
			US 1993-135661	A2	19931012
			EP 1992-922550	A3	19921013
			US 1994-207521	A	19940307
			EP 1994-930694	A3	19941012
			JP 1995-511977	A3	19941012
			JP 2001-69516	A3	19941012
			WO 1994-US11492	W	19941012
			EP 2000-126980	A3	20001208
			EP 2000-126981	A3	20001208

OTHER SOURCE(S): MARPAT 126:207539

AB Compns. and methods are disclosed for treating anemia, cancer, AIDS, or severe β-chain hemoglobinopathies by administering a therapeutically effective amount of phenylacetate or (pharmaceutically acceptable) derivs. thereof alone or in combination or in conjunction with other therapeutic agents including retinoids, hydroxyurea, and flavonoids. Also disclosed are intravesical methods of treatment of cancers with phenylacetate. Pharmacol.-acceptable salts alone or in combination, and methods of preventing AIDS and malignant conditions and inducing cell differentiation are also aspects of this invention. A product as a combined preparation of phenylacetate and a retinoid, hydroxyurea, or flavonoid (or other mevalonate pathway inhibitor) is disclosed for simultaneous, sep., or sequential use in treating a neoplastic condition in a subject. Also disclosed are methods of modulating lipid metabolism and/or reducing serum triglycerides in a subject using phenylacetate.

L7 ANSWER 18 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1997:196180 HCAPLUS
DOCUMENT NUMBER: 126:207539
TITLE: Compositions and methods using phenylacetate compounds, alone or in combination with other therapeutic agents, for treating and preventing anemia, cancer, and other pathologies and modulating lipid metabolism
INVENTOR(S): Samid, Dvorit
PATENT ASSIGNEE(S): United States Dept. of Health and Human Services, USA
SOURCE: U.S., 111 pp., Cont.-in-part of U.S. Ser. No. 135,661.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5605930	A	19970225	US 1994-207521	19940307
US 6037376	A	20000314	US 1991-779744	19911021
EP 1108427	A2	20010620	EP 2000-126980	19921013
EP 1108427	A3	20040107		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, IE				
EP 1108428	A2	20010620	EP 2000-126981	19921013
EP 1108428	A3	20040107		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, IE				
EP 1484058	A2	20041208	EP 2004-15994	19921013
EP 1484058	A3	20050427		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, IE				
EP 1484059	A2	20041208	EP 2004-15995	19921013
EP 1484059	A3	20050420		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, IE				
US 5635532	A	19970603	US 1993-135661	19931012
IL 111251	A1	20040620	IL 1994-111251	19941011
CA 2173976	AA	19950420	CA 1994-2173976	19941012
WO 9510271	A2	19950420	WO 1994-US11492	19941012
WO 9510271	A3	19950622		
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US, UZ				
RW: KE, MW, SD, SZ, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9479737	A1	19950504	AU 1994-79737	19941012
AU 702051	B2	19950504		
EP 725635	A1	19960814	EP 1994-930694	19941012
EP 725635	B1	20041229		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 09506079	T2	19970617	JP 1995-511977	19941012
JP 3628694	B2	20050316		
NZ 275673	A	20000929	NZ 1994-275673	19941012
JP 2001253821	A2	20010918	JP 2001-69516	19941012
JP 2003119130	A2	20030423	JP 2002-302292	19941012
AT 285760	E	20050115	AT 1994-930694	19941012
EP 1523982	A2	20050420	EP 2004-30912	19941012

L7 ANSWER 19 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1997:116525 HCAPLUS
DOCUMENT NUMBER: 126:113195
TITLE: Intraurethral pharmacotherapy of incontinence
INVENTOR(S): Hildebrand, Keith R.; Fowler, Jan Ellen O.; Levius, Dezso K.
PATENT ASSIGNEE(S): Iotek, Inc., USA
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9640054	A2	19961219	WO 1996-US9542	19960607
WO 9640054	A3	19970313		
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN				
US 5861431	A	19990119	US 1995-477474	19950607
AU 9661613	A1	19961230	AU 1996-61613	19960607
EP 831772	A2	19980401	EP 1996-919217	19960607
R: DE, FR, GB				
PRIORITY APPLN. INFO.:			US 1995-477474 A	19950607
			WO 1996-US9542 W	19960607

AB The present invention provides a method of treating incontinence in a patient that has a **bladder** and an urethra. The urethra forms a lumen for draining the **bladder**. The method comprises the steps of delivering an agent into the lumen and passing the agent from the lumen to internal body tissue. The agent increases restriction of the lumen thereby providing increased control over urine flow from the **bladder**. Agents to be used for treating incontinence include estrogens, α -adrenergic agonists, norepinephrine uptake inhibitors or releasing agents, nicotinic cholinergic agonists, and **acetylcholinesterase** inhibitors. Diagrams of delivery devices useful with the invention are included.

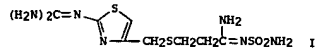
L7 ANSWER 20 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1990:584844 HCAPLUS
DOCUMENT NUMBER: 113:184844
TITLE: Enzyme immunoassay measurement of the **urinary** metabolites of thromboxane A2 and prostacyclin
AUTHOR(S): Lellouche, F.; Fradin, A.; Fitzgerald, G.; Maclouf, J.
CORPORATE SOURCE: Hop. Lariboisiere, Paris, 75475, Fr.
SOURCE: Prostaglandins (1990), 40(3), 297-310
CODEN: PRGLBA; ISSN: 0090-6980
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A recently developed enzyme immunoassay (EIA) for measuring **urinary** concns. of TXB2, 6-keto PGF1α , 2,3-dinor-TXB2, 2,3-dinor-6-keto PGF1α , and 11-dehydro-TXB2 using **acetylcholinesterase** from Electrophorus electricus coupled to TXB2, 6-keto PGF1α , and 11-dehydro-TXB2 was used. **Urinary** PGI2 and TXA2 breakdown products and their metabolites were extracted from 3-40 mL of urine corresponding to 100 μmoles creatinine. Measurements were performed after Sep-Pak extraction and TLC separation in a system that allows separation between dinor- and parent derivs. Because of the relatively high cross reactivity (10-15%) of the anti-TXB2 serum with 2,3-dinor TXB2 and the anti-6-keto PGF1α serum with 2,3-dinor-6-keto PGF1α , measurements were done using 3 antisera (anti-TXB2 and anti-6-keto PGF1. **alpha**. diluted 1:50,000, and 11-dehydro-TXB2 diluted 1:200,000). The reproducibility of the technique was assessed by measuring the same urine stored frozen in aliquots together with each series of samples (relative standard deviation 6-12% depending on the compound). In addition, the use of a different solvent system for the TLC did not affect the results although the migration of the compds. was modified. Determination of the **urinary** excretion of TXB2 and PGI2 metabolites in healthy individuals by this method provided results in agreement with those obtained by other methodologies. In addition, comparisons made between EIA and gas chromatog./mass spectrometry anal. showed good correlation between the **urinary** metabolites as determined by each technique.

L7 ANSWER 21 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1988:161962 HCAPLUS
DOCUMENT NUMBER: 108:161962
TITLE: Regional noradrenergic and cholinergic neurochemistry in the rat **urinary bladder**: effects of age
AUTHOR(S): Johnson, Jan M.; Skau, Kenneth A.; Gerald, Michael C.; Wallace, Lane J.
CORPORATE SOURCE: Coll. Pharm., Ohio State Univ., Columbus, OH, 43210, USA
SOURCE: Journal of Urology (Hagerstown, MD, United States) (1988), 139(3), 611-15
CODEN: JOURAA; ISSN: 0022-5347
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Neurochem. of the base and body of the rat **urinary bladder** was compared for both adrenergic and cholinergic parameters using Fischer 344 rats. In **bladder** base and body, resp., the concentration (pmol/mg wet weight) of norepinephrine was 23.4 and 2.16, of acetylcholine was 26.7 and 18.3, and of choline was 96.7 and 199. The activity (nmol/mg protein/h) of tyrosine hydroxylase was 422 and <50, of MAO was 80.6 and 126, of choline acetyltransferase was 17.4 and 11.5, and of **acetylcholinesterase** (nmol/mg wet weight/h) was 485 and 165. Treatment with α -methyl-p-tyrosine did not alter norepinephrine concentration in **bladder** base but decreased it by 27% in **bladder** body. Studies were also done to determine whether age-related changes exist in the adrenergic and cholinergic neurochem. of the rat **urinary bladder**. Bladders from rats of 6-7, 15-17, and 22-24 mo of age were examined The only age-related differences noted were a progressive decrease in level of MAO activity in both **bladder** regions and an increase in **bladder** base norepinephrine concentration from 6-7 to 15-17 mo followed by a decrease at 22-24 mo. Overall, the results show marked regional variations in **bladder** neurochem. which remain remarkably stable as the animals grow old.

L7 ANSWER 22 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1986:143276 HCAPLUS
DOCUMENT NUMBER: 104:143276
TITLE: Mathematical model of mercury chelation
AUTHOR(S): Bogdanik, Tadeusz; Warmus, Mieczslaw; Michalski, Jozef; Kordylasinska, Barbara; Bodenszac, Janina
CORPORATE SOURCE: Klin. Chorob Zawodowych Ostrych Zatruc, Inst. Med. Pracy, Lodz, Pol.
SOURCE: Problemy Techniki w Medycynie (1985), 16(3), 190-9
CODEN: PTMDBU; ISSN: 0370-2219
DOCUMENT TYPE: Journal
LANGUAGE: Polish
AB In 34 subjects with average 10-yr occupational exposure to Hg vapors and in 20 control subjects without Hg exposure, **urinary** Hg concns. were determined before and after treatment with D-penicillamine [52-67-5]. Correlation between the Hg concns. before and after treatment was 0.9440; the correlation improved to 0.9498 when Hg concns. before the treatment was used in combination with serum concns. of α 1-globulins and Fe + erythrocyte activity of **acetylcholinesterase** [9000-81-1] before the treatment. Further improvement to 0.9890 was obtained by using data for normal subjects (from literature) instead of data from control subjects of the present experiment The use of 8 other parameters of blood and urine composition in addition to the above data did not improve substantially the correlation coeffs. Similar results were obtained in a group treated with BAL [59-52-9]. The math. model allows the calcn. of removal rates of Hg by chelating agents.

L7 ANSWER 23 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1985:215982 HCAPLUS
DOCUMENT NUMBER: 102:215982
TITLE: Innervation of the rat **urinary bladder**. II. Effects of prostaglandins on the denervated detrusor muscle after bilateral pelvic ganglionectomy
AUTHOR(S): Yamada, Mitsuoki
CORPORATE SOURCE: Sch. Med., Kanazawa Univ., Kanazawa, Japan
SOURCE: Nippon Heikatsukin Gakkai Zasshi (1984), 20(6), 483-91
CODEN: NHEIAY; ISSN: 0374-3527
DOCUMENT TYPE: Journal
LANGUAGE: Japanese
AB The effects of PGF2α [551-11-1] and PGE2 [363-24-6] on the denervated smooth muscle of the **urinary bladder** in female rats were studied in vivo by histochem. and electron microscopy. The **urinary bladder** denervated by bilateral removal of the pelvic ganglion was markedly distended, being filled with urine. Daily i.v. administration of PGF2α or PGE2 for 6 days following the operation showed that rats receiving PGE2 urinated markedly more than those receiving PGF2α . However, the ultrastructural changes on the smooth muscle cells, such as dilated tubules of rough endoplasmic reticulum and large Golgi vacuoles, were more prominent in the PGF2α -treated **urinary** bladders than in PGE2 ones. Occasional cholinergic ganglion cells were encountered in the muscular layer of a rat **urinary bladder**. These intramural ganglion cells and the cholinergic nerve fibers surrounding the cells displayed strong **acetylcholinesterase** [9000-81-1] activity, unaffected by bilateral pelvic ganglionectomy.

L7 ANSWER 24 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1984:96481 HCAPLUS
DOCUMENT NUMBER: 100:96481
TITLE: General pharmacological properties of a new potent H2-blocker famotidine (YM-11170)
AUTHOR(S): Takagi, Tokuichi; Takeda, Masaaki; Fujihara, Akira; Yashima, Yumi
CORPORATE SOURCE: Dep. Pharmacol., Yamanouchi Pharm. Co. Ltd., Tokyo, 174, Japan
SOURCE: Oyo Yakuri (1983), 26(4), 599-11
CODEN: OYYAA2; ISSN: 0369-8033
DOCUMENT TYPE: Journal
LANGUAGE: Japanese
GI



I

AB YM-11170 (I) [76824-35-6] (3 or 30 mg/kg, orally) had no effect on respiratory rate, blood pressure, and ECG in dogs; whereas i.v. injection of the drug caused a slight and transient hypotension with tachycardia for a dose of 10 mg/kg. In dogs anesthetized with pentobarbital, i.v. administration of I (10 to 300 mg/kg) produced a dose-dependent fall in blood pressure. At 30 mg I/kg a transient increase in respiratory rate, tachycardia, and elevation of T-wave in ECG were also observed Death due to respiratory arrest and sustained fall in blood pressure occurred within 20 min after administration of 300 mg I/kg. I appears to have neither blocking nor potentiating effects on muscarinic, nicotinic, histaminergic H1, or sympathetic α - and β-receptors. I did not influence pancreatic and biliary secretion induced by simultaneous infusion of secretin and pancreozymin in anesthetized dogs. I had no effect on hepatic blood flow, spontaneous gastrointestinal motility, and methacholine-elicited salivation. Neither potentiation of histamine-induced asthma in guinea pigs nor contraction of isolated guinea pig tracheal muscle was detected after treatment with I. I showed no effect in the following expts.; spontaneous motility of atrial and ileal prepns., pupil size, **acetylcholinesterase** activity, gastrointestinal propulsion, **urinary** excretion, water intake, motility of uterus, blood glucose, clotting time of whole blood, neuromuscular transmission. Arthus reaction, local irritation and local anesthesia. The pharmacol. profile of I is similar to that of cimetidine.

L7 ANSWER 25 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1969:521170 HCAPLUS
DOCUMENT NUMBER: 71:121170
TITLE: Enzymes in human bile. II. Enzyme contents of liver- and gallbladder bile
AUTHOR(S): Lorentz, Klaus; Niemann, Elisabeth; Jaspers, Galbriele; Oltmanns, Detlev
CORPORATE SOURCE: Med. Akad. Luebeck, Luebeck, Fed. Rep. Ger.
SOURCE: Enzymologia Biologica et Clinica (1969), 10, 528-33
CODEN: EBICAV; ISSN: 0425-1423
DOCUMENT TYPE: Journal
LANGUAGE: German
AB After removal of the gall **bladder** the following enzyme activities were found in the liver bile, the gall **bladder** bile and the serum, resp.: ceruloplasmin 0.9, 1.2, and 0.7 mg./ml.; **acetylcholinesterase** 509, 918, and 2320 milliunits/ml.; benzoylcholinesterase 227, 310, and 884 milliunits/ml.; alkaline phosphatase 500, 608, 175 milliunits/ml.; ornithine carbamyl transferase 27.3, 49.1, and 9.9 milliunits/ml.; α -amylase 8.2, 12.1, and 13.8 mg. glucose/ml./hr.; glucose-6-phosphate dehydrogenase 3.7, 4.8, and 1.4 milliunits/-ml.; glutamate dehydrogenase 10.1, 26.4, and 2.2 milli-units/ml.; lactic dehydrogenase 429, 1400, and 207 milli-units/ml.; hydroxybutyrate dehydrogenase 200, 890, and 131 milliunits/ml.; glutamic pyruvic transaminase 19, 34, and 21 milliunits/ml.; glutamate-oxalacetate transaminase 25, 149, and 21 milliunits/ml.; and creatine phosphatase 13, 14, and 0.6 milliunits/ml.

L7 ANSWER 26 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1967:102785 HCAPLUS
DOCUMENT NUMBER: 66:102785
TITLE: A histochemical study of the esterases in the **bladder** of the toad
AUTHOR(S): Bell, Christopher
CORPORATE SOURCE: Univ. Melbourne, Parkville, Australia
SOURCE: Comparative Biochemistry and Physiology (1967), 21(1), 91-8
CODEN: CBCPAI; ISSN: 0010-406X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Histochem. localization has confirmed that the toad **bladder** contains both true and pseudo-cholinesterases as well as non-specific esterases. The true cholinesterase appears to be an **acetylcholinesterase**. The majority of intramural nerves stain intensely for true cholinesterase, which is consistent with previous evidence that the autonomic innervation is predominantly cholinergic. True cholinesterase is also localized in mucuscontg. goblet cells of the mucosa and within the muscle bundles. Low pseudo-cholinesterase activity is associated with the muscle bundles and with intramural nerves. Non-specific esterase activity is confined to the mucosal epithelium, blood vessel endo thelium, and scattered goblet cells. In comparison to results reported in the literature for mammalian tissues, the non-specific esterase substrate α -naphthyl acetate is not readily hydrolyzed by the true cholinesterase of the toad **bladder**

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L2               0 S L1 SAMPLE
L3              15 S L1 FULL

     FILE 'HCAPLUS' ENTERED AT 17:32:21 ON 23 MAR 2006
L4              62 S L3
L5         1599799 S L4 OR (A OR PRAZOSIN OR TAMSULOSIN)
L6            1428 S L5 AND (ACETYLCHOLINESTERASE?)
L7              26 S L6 AND (URINARY OR BLADDER OR DYSURIA)
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